

WHAT IS CLAIMED IS:

1. A touch screen for use with an organic light emitting diode (OLED) display, comprising:
a) a substrate having a top side and a bottom side;
b) a plurality of touch screen elements located on the top side of substrate; and
c) a polarizing element for reducing glare and improving contrast of the OLED display, wherein the polarizing element is an integral part of the touch screen.

2. The touch screen claimed in claim 1, wherein the polarizing element is in the substrate.

3. The touch screen claimed in claim 1, wherein the polarizing element is in one of the touch screen elements.

4. The touch screen claimed in claim 1, wherein the OLED display is located on the bottom side of the substrate.

5. The touch screen claimed in claim 4, wherein the OLED display is a top emitting display, and the substrate of the touch screen also serves as a cover sheet on the top emitting display.

6. The touch screen claimed in claim 4, wherein the OLED display is a bottom emitting display having a substrate on which are deposited organic light emitting elements that emit light through the substrate of the display and the substrate of the display also serves as the substrate of the touch screen.

7. The touch screen claimed in claim 1, wherein the touch screen is a resistive wire touch screen.

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8. The touch screen claimed in claim 7, wherein the resistive wire touch screen is a five-wire touch screen.

9. The touch screen claimed in claim 7, wherein the resistive wire touch screen is a four-wire touch screen.

10. The touch screen claimed in claim 1, wherein the touch screen is a surface acoustic wave touch screen.

11. The touch screen claimed in claim 1, wherein the touch screen is a capacitive touch screen.

12. The touch screen claimed in claim 2, wherein the touch screen is a resistive wire touch screen.

13. The touch screen claimed in claim 3, wherein the touch screen is a resistive wire touch screen.

14. The touch screen claimed in claim 13, wherein one of the touch screen elements is a flexible top protective layer in which is the polarizing ~~element~~.

15. The touch screen claimed in claim 1, wherein the polarizing element is a circular polarizer.

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